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## RAW SEQUENCE LISTING

DATE: 02/15/2002

PATENT APPLICATION: US/09/742,096

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3 <110> APPLICANT: DRUILHE, PIERRE
4     DAUBERSIES, PIERRE
6 <120> TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES
8 <130> FILE REFERENCE: 200773US0DIV
10 <140> CURRENT APPLICATION NUMBER: 09/742,096
11 <141> CURRENT FILING DATE: 2000-12-22
13 <150> PRIOR APPLICATION NUMBER: US 08/973,642
14 <151> PRIOR FILING DATE: 1998-02-06
16 <150> PRIOR APPLICATION NUMBER: PCT/FR96/00894
17 <151> PRIOR FILING DATE: 1996-06-12
19 <150> PRIOR APPLICATION NUMBER: FR 95/07007
20 <151> PRIOR FILING DATE: 1995-06-13
22 <160> NUMBER OF SEQ ID NOS: 29
24 <170> SOFTWARE: PatentIn version 3.1
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253 1 5 10 15
255 aat aat gaa caa ata act acc ata ttt aat aga aca aat atg aat ccg 96
256 Asn Asn Glu Gln Ile Thr Thr Ile Phe Asn Arg Thr Asn Met Asn Pro
257 20 25 30
259 ata aaa aaa tgt cat atg aga gaa aaa ata aat aag tac ttt ttt ttg 144
260 Ile Lys Lys Cys His Met Arg Glu Lys Ile Asn Lys Tyr Phe Phe Leu
261 35 40 45
263 atc aaa att ttg aca tgc acc att tta ata tgg gct gta caa tat gat 192

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269	65					70				75						80	
271	aag	aaa	ttg	aac	aaa	cta	ttt	aac	aga	agt	tta	gga	gaa	tct	caa	gta	288
272	Lys	Lys	Leu	Asn	Lys	Leu	Phe	Asn	Arg	Ser	Leu	Gly	Glu	Ser	Gln	Val	
273					85					90					95		
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279	tta	gaa	gaa	gga	aac	aca	tta	act	gaa	agt	gta	gat	gat	aac	aaa	aac	384
280	Leu	Glu	Glu	Gly	Asn	Thr	Leu	Thr	Glu	Ser	Val	Asp	Asp	Asn	Lys	Asn	
281			115					120					125				
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291	caa	aac	tca	gaa	aaa	caa	gaa	agt	gta	tca	gaa	aac	gta	caa	gtc	agt	528
292	Gln	Asn	Ser	Glu	Lys	Gln	Glu	Ser	Val	Ser	Glu	Asn	Val	Gln	Val	Ser	
293					165				170						175		
295	gat	gaa	ctt	ttt	aac	gaa	tta	tta	aac	agt	gta	gat	gtt	aac	gga	gaa	576
296	Asp	Glu	Leu	Phe	Asn	Glu	Leu	Leu	Asn	Ser	Val	Asp	Val	Asn	Gly	Glu	
297				180					185					190			
299	gta	aaa	gaa	aac	att	ttg	gag	gaa	agt	caa	gtt	aac	gac	gat	att	ttt	624
300	Val	Lys	Glu	Asn	Ile	Leu	Glu	Glu	Ser	Gln	Val	Asn	Asp	Asp	Ile	Phe	
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303	aac	agt	tta	gta	aaa	agt	gtt	caa	caa	gaa	caa	caa	cac	aac	gtt	gaa	672
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312	Glu	Asn	Val	Glu	Glu	Asn	Val	Glu	Glu	Asn	Asp	Asp	Gly	Ser	Val	Ala	
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315	tca	agt	gtt	gaa	gaa	agt	ata	gct	tca	agt	gtt	gat	gaa	agt	ata	gat	816
316	Ser	Ser	Val	Glu	Glu	Ser	Ile	Ala	Ser	Ser	Val	Asp	Glu	Ser	Ile	Asp	
317				260					265					270			
319	tca	agt	att	gaa	gaa	aac	gta	gct	cca	act	gtt	gaa	gaa	atc	gta	gct	864
320	Ser	Ser	Ile	Glu	Glu	Asn	Val	Ala	Pro	Thr	Val	Glu	Glu	Ile	Val	Ala	
321			275					280					285				
323	cca	agt	gtt	gta	gaa	agt	gtg	gct	cca	agt	gtt	gaa	gaa	agt	gta	gaa	912
324	Pro	Ser	Val	Val	Glu	Ser	Val	Ala	Pro	Ser	Val	Glu	Glu	Ser	Val	Glu	
325		290					295					300					
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328	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	Glu	Asn	Val	Glu	Glu	Ser	Val	Ala	

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336	Glu Asn Val Glu Glu Ile Val Ala Pro Thr Val Glu Glu Ile Val Ala							
337			340		345		350	
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349			385		390		395	
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